

Editorial

The IALE(UK) Annual Conference is upon us and the themes for the six sessions and their keynote speakers have been announced:

- *Linking socio-economic driving forces to landscape ecology*
- *Modelling ecological change in the landscape*
- *Impacts of isolation within a landscape*
- *Matching theories and methodologies to management needs*
- *Analysis of temporal change at a landscape scale*
- *Problems and applications in the real world - excursion*

There will also be the usual poster session

If you would like more details, or if you would like to attend the conference/present a poster contact:

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Contents

<i>Editorial</i>	<i>1</i>	<i>News Items</i>	<i>2</i>	<i>Journal contents</i>	<i>5</i>
<i>IALE(UK) committee</i>	<i>19</i>	<i>Diary</i>	<i>20</i>		

News Items

New Web Site on-line!

IALE(UK) is now on-line at it's own dedicated URL.

<http://www.iale.org.uk>

Well done to Gary Campbell for getting this up and running.

Other IALE web sites include:

Australia	http://www.ntu.edu.au/faculties/science/sbes/iale-oz/iale_page.html
The Netherlands	http://www.wau.nl/rpv/iale1.htm
Germany	http://www.iale.de/ (in German)
USA	http://www.edc.uri.edu/iale/
IALE - International	http://www.crle.uoguelph.ca/iale/

Courses in landscape ecology

A search of the UCAS web-site reveals that landscape ecology is now being offered as part of a number of undergraduate degree programmes.

De Montford offers HND and BSc programmes in Ecology (Landscape Ecology), the University of Northumbria offers a BSc in Landscape Ecology. In addition, Sheffield University offers a degree in Landscape Design and Ecology.

Landscape Ecology also forms a significant component of other degree programmes in the UK such as at Nottingham University and University College Northampton.

In the USA landscape ecology is taught at a number of institutions of which several have some excellent Web resources. If you are aware of degree courses in landscape ecology, or if you are aware of interesting landscape ecology Web resources, let me know. Meanwhile, Geoff Griffiths tells us what The University of Reading are up to in this field.

Landscape Ecology at The University of Reading

Landscape ecology combines the functional approach of ecology with the spatial awareness of geography, a view that characterises both teaching and research at Reading. Two Departments have strong interests in landscape

ecology; Geography and the Department of Horticulture & Landscape in the School of Plant Sciences. In Geography I teach Final Year undergraduates a single-term module called 'Landscape Ecology: from Patch to Planet', with a strong emphasis on field-based practicals and GIS. This year the course proved to be popular, attracting over 40 students from the Human & Physical Geography 'middle' course. Tony Kendle in Horticulture & Landscape teaches a module on 'Landscape Ecology & Restoration', stressing the importance of a landscape approach to habitat restoration.

There is a huge demand for GIS teaching in a university with a large number of students in environmental science, but only one academic who teaches it! I teach GIS to MSc. students from Plant Sciences, Archaeology, Soil Science, Planning, Geography and, from next year, Animal and Microbial Sciences. More for my benefit than the students, there is a strong emphasis on practical examples from landscape ecology; for example, using GIS to evaluate the conservation value of Natura 2000 sites on Crete, mapping Phase 1 habitats from air-photography and habitat suitability mapping for the Heath fritillary in Kent. There are a lot of students emerging from Reading who know more about landscape ecology than GIS! Plans for the future include the possibility of an MSc. in Landscape Ecology and GIS.

Research in landscape ecology comes under the umbrella of the Landscape & Landform Research Group (LLRG), a collection of glaciologists, desert geomorphologists, biogeographers, research students and research assistants with a common interest in the processes of landscape and landform evolution. Integration within the Group comes from the shared expertise in spatial data and analytical techniques, especially GIS and remote sensing. Grant income is from multiple sources, but includes English Nature (landscape character and biodiversity) and Leverhulme (satellite imagery for desert archaeology). Money for research students is often internal or from overseas students (e.g. Brazil, Greece, Egypt) with Research Council funds for research students very difficult to obtain.

Landscape ecology at Reading is small but growing, with a number of individuals from different departments involved in both teaching and research. Future development will require a more integrated approach within the University – perhaps a School for Landscape Ecology?

Student Conference Travel Award

The IALE(UK) awards a number of travel grants to students studying landscape ecology at a UK university. The award is open to all students with an interest in landscape

ecology who are attending a taught course at Masters level or who are undertaking a degree by research. In general, awards are designed to assist post-graduate students to attend the annual conference of IALE(UK) and for research postgraduates to attend other meetings, including the European and International Meetings of the IALE. Please apply to:

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Annual General Meeting

The Annual General Meeting of IALE(UK) will be held on Thursday September 7th at 5pm, after the close of the Conference Sessions. Items for the agenda to the Secretary. Please post nomination forms (enclosed) either to the Secretary or bring to the AGM.

Recent Contents

Landscape Ecology

The journal *Landscape Ecology* is available to members of IALE(UK) at a special reduced rate. Recent contents:

Volume 15, Issue 4

McIntyre NE, Wiens JA (2000) A novel use of the lacunarity index to discern landscape function. pp. 313-321

Danielson BJ, Hubbard MW (2000) The influence of corridors on the movement behaviour of individual *Peromyscus polionotus* in experimental landscapes. pp. 323-331

Fisher JT, Merriam G (2000) Resource patch array use by two squirrel species in an agricultural landscape. pp. 333-338

Reid RS, Kruska RL, Muthui N, *et al.* (2000) Land-use and land-cover dynamics in response to changes in climatic, biological and socio-political forces: the case of southwestern Ethiopia. pp. 339-355

Zmyslony J, Gagnon D (2000) Path analysis of spatial predictors of front-yard landscape in an anthropogenic environment. pp. 357-371

Haydon DT, Friar JK, Pianka ER (2000) Fire-driven dynamic mosaics in the Great Victoria Desert, Australia - 1. Fire geometry. pp. 373-381

Rupp TS, Starfield AM, Chapin FS (2000) A frame-based spatially explicit model of subarctic vegetation response to climatic change: comparison with a point model. pp. 383-400

Some other recent landscape ecological literature

Linnell JDC, Swenson JE, Andersen R (2000) Conservation of biodiversity in Scandinavian boreal forests: large carnivores as flagships, umbrellas, indicators, or keystones? *Biodivers Conserv* 9: (7) 857-868

Green TL (2000) Confusing liquidation with income in BC's forests: economic analysis and the BC forest industry. *Ecol Econ* 34: (1) 33-46

Mac Nally R (2000) Modelling confinement experiments in community ecology: differential mobility among competitors. *Ecol Model* 129: (1) 65-85

Kampichler C, Barthel J, Wieland R (2000) Species density of foliage-dwelling spiders in field margins: a simple, fuzzy rule-based model. *Ecol Model* 129: (1) 87-99

Lauga-Reyrel F, Deconchat M (1999) Diversity within the Collembola community in fragmented coppice forests in south-western France. *Eur J Soil Biol* 35: (4) 177-187

Brabec J, Pysek P (2000) Establishment and survival of three invasive taxa of the genus *Reynoutria* (Polygonaceae) in mesic mown meadows: A field experimental study. *Folia Geobot* 35: (1) 27-42

Soberon J, Rodriguez P, Vazquez-Dominguez E (2000) Implications of the hierarchical structure of biodiversity for the development of ecological indicators of sustainable use. *Ambio* 29: (3) 136-142

Rice RA, Greenberg R (2000) Cacao cultivation and the conservation of biological diversity. *Ambio* 29: (3) 167-173

McCay DH (2000) Effects of chronic human activities on invasion of longleaf pine forests by sand pine. *Ecosystems* 3: (3) 283-292

Alard D, Poudevigne I (2000) Diversity patterns in grasslands along a landscape gradient in northwestern France. *J Veg Sci* 11: (2) 287-294

Babbitt KJ, Tanner GW (2000) Use of temporary wetlands by anurans in a hydrologically modified landscape. *Wetlands* 20: (2) 313-322

Morrison JL, Phillips LM (2000) Nesting habitat and success of the Chimango Caracara in Southern Chile. *Wilson Bull* 112: (2) 225-232

Cook J, Beyea J (2000) Bioenergy in the United States: progress and possibilities *Biomass Bioenerg* 18: (6) 441-455

Dale VH, Brown S, Haeuber RA, et al. (2000) Ecological principles and guidelines for managing the use of land. *Ecol Appl* 10: (3) 639-670

Zipperer WC, Wu JG, Pouyat RV, et al. (2000) The application of ecological principles to urban and urbanizing landscapes. *Ecol Appl* 10: (3) 685-688

Weber T, Wolf J (2000) Maryland's Green Infrastructure - Using landscape assessment tools to identify a regional conservation strategy. *Environ Monit Assess* 63: (1) 265-277

Turner MG, Romme WH, Gardner RH (1999) Prefire heterogeneity, fire severity, and early postfire plant reestablishment in subalpine forests of Yellowstone National Park, Wyoming. *Int J Wildland Fire* 9: (1) 21-36

Tilley C, Hamilton S, Bender B (2000) Art and the re-presentation of the past. *J Roy Anthropol Inst* 6: (1) 35-62

Cunningham SA (2000) Depressed pollination in habitat fragments causes low fruit set. *P Roy Soc Lond B Bio* 267: (1448) 1149-1152

Shoshany M (2000) Satellite remote sensing of natural Mediterranean vegetation: a review within an ecological context. *Prog Phys Geog* 24: (2) 153-178

Newson MD, Newson CL (2000) Geomorphology, ecology and river channel habitat: mesoscale approaches to basin-scale challenges. *Prog Phys Geog* 24: (2) 195-217

Stohlgren TJ, Kaye MW, McCrumb AD, et al. (2000) Using new video mapping technology in landscape ecology. *Bioscience* 50: (6) 529-536

Niklasson M, Granstrom A (2000) Numbers and sizes of fires: Long-term spatially explicit fire history in a Swedish boreal landscape *Ecology* 81: (6) 1484-1499

Bergeron Y (2000) Species and stand dynamics in the mixed woods of Quebec's southern boreal forest. *Ecology* 81: (6) 1500-1516

Lomolino MV, Perault DR (2000) Assembly and disassembly of mammal communities in a fragmented temperate rain forest. *Ecology* 81: (6) 1517-1532

- Hiebeler D (2000) Populations on fragmented landscapes with spatially structured heterogeneities: Landscape generation and local dispersal. *Ecology* 81: (6) 1629-1641
- DeLong SC, Kessler WB (2000) Ecological characteristics of mature forest remnants left by wildfire. *Forest Ecol Manag* 131: (1-3) 93-106
- Shi H, Shao MG (2000) Soil and water loss from the Loess Plateau in China. *J Arid Environ* 45: (1) 9-20
- Andersen AN, Muller WJ (2000) Arthropod responses to experimental fire regimes in an Australian tropical savannah: ordinal-level analysis. *Austral Ecol* 25: (2) 199-209
- Roy PS, Tomar S (2000) Biodiversity characterization at landscape level using geospatial modelling technique. *Biol Conserv* 95: (1) 95-109
- Galindo-Leal C (2000) Conservation science in Latin America. *Interciencia* 25: (3) 129-+
- Radeloff VC, Mladenoff DJ, Boyce MS (2000) A historical perspective and future outlook on landscape scale restoration in the northwest Wisconsin pine barrens. *Restor Ecol* 8: (2) 119-126
- Leong JM, Bailey EL (2000) The incidence of a generalist thrips herbivore among natural and translocated patches of an endangered vernal pool plant, *Blennosperma bakeri*. *Restor Ecol* 8: (2) 127-134
- Rincon PA, Hughes NF, Grossman GD (2000) Landscape approaches to stream fish ecology, mechanistic aspects of habitat selection and behavioural ecology. Introduction and commentary. *Ecol Freshw Fish* 9: (1-2) 1-3
- Robbins P (2000) The practical politics of knowing: State environmental knowledge and local political economy. *Econ Geogr* 76: (2) 126-144
- Bishop ID, Gimblett HR (2000) Management of recreational areas: GIS, autonomous agents, and virtual reality. *Environ Plann B* 27: (3) 423-435
- Bowler PA (2000) Ecological restoration of coastal sage scrub and its potential role in habitat conservation plans. *Environ Manage* 26: S85-S96 Suppl. 1
- Lacaze JF (2000) Forest management for recreation and conservation: new challenges. *Forestry* 73: (2) 137-141
- Altieri MA (2000) Multifunctional dimensions of ecologically-based agriculture in Latin America. *Int J Sust Dev World* 7: (1) 62-75
- Hill BH, Herlihy AT, Kaufmann PR, *et al.* (2000) Use of periphyton assemblage data as an index of biotic integrity. *J N Am Benthol Soc* 19: (1) 50-67
- Mac Nally R (2000) Regression and model-building in conservation biology, biogeography and ecology: The distinction between and reconciliation of 'predictive' and 'explanatory' models. *Biodivers Conserv* 9: (5) 655-671
- Johnson CE, Driscoll CT, Siccama TG, *et al.* (2000) Element fluxes and landscape position in a northern hardwood forest watershed ecosystem. *Ecosystems* 3: (2) 159-184
- Lautenschlager RA (2000) Can intensive silviculture contribute to sustainable forest management in northern ecosystems? *Forest Chron* 76: (2) 283-295

- He CS, Malcolm SB, Dahlberg KA, *et al.* (2000) A conceptual framework for integrating hydrological and biological indicators into watershed management. *Landscape Urban Plan* 49: (1-2) 25-34
- Pino J, Roda F, Ribas J, *et al.* (2000) Landscape structure and bird species richness: implications for conservation in rural areas between natural parks. *Landscape Urban Plan* 49: (1-2) 35-48
- Marcucci DJ (2000) Landscape history as a planning tool. *Landscape Urban Plan* 49: (1-2) 67-81
- Musacchio LR (2000) Landscape ecological analysis: Issues and applications *Landscape Urban Plan* 49: (1-2) 83-86
- Townsend PA (2000) A quantitative fuzzy approach to assess mapped vegetation classifications for ecological applications. *Remote Sens Environ* 72: (3) 253-267
- Treitz P, Howarth P (2000) High spatial resolution remote sensing data for forest ecosystem classification: An examination of spatial scale. *Remote Sens Environ* 72: (3) 268-289
- Zavala MA, Espelta JM, Retana J (2000) Constraints and trade-offs in Mediterranean plant communities: The case of holm oak-Aleppo pine forests. *Bot Rev* 66: (1) 119-149
- Cornell HV, Karlson RH (2000) Coral species richness: ecological versus biogeographical influences. *Coral Reefs* 19: (1) 37-49
- Jordan F (2000) A reliability-theory approach to corridor design. *Ecol Model* 128: (2-3) 211-220
- Carlson A (2000) Placing nature: Culture and landscape ecology. *Environ Ethics* 22: (2) 211-214
- Kuhlken R (2000) Settin' the woods on fire: Rural incendiarism as protest. *Geogr Rev* 89: (3) 343-363
- Lancaster J (2000) Geometric scaling of microhabitat patches and their efficacy as refugia during disturbance. *J Anim Ecol* 69: (3) 442-457
- Murrell DJ, Law R (2000) Beetles in fragmented woodlands: a formal framework for dynamics of movement in ecological landscapes. *J Anim Ecol* 69: (3) 471-483
- Frank DA, Groffman PM, Evans RD, *et al.* (2000) Ungulate stimulation of nitrogen cycling and retention in Yellowstone Park grasslands. *Oecologia* 123: (1) 116-121
- Quere JP, Raoul F, Giraudoux P, *et al.* (2000) An index method of estimating relative population densities of the common vole (*Microtus arvalis*) at landscape scale. *Rev Ecol-Terre Vie* 55: (1) 25-32
- Welling P, Laine K (2000) Characteristics of the seedling flora in alpine vegetation, subarctic Finland, I. Seedling densities in 15 plant communities. *Ann Bot Fenn* 37: (1) 69-76
- Schlosser IJ, Kallemeyn LW (2000) Spatial variation in fish assemblages across a beaver-influenced successional landscape. *Ecology* 81: (5) 1371-1382
- Hjermann DO (2000) Analyzing habitat selection in animals without well-defined home ranges. *Ecology* 81: (5) 1462-1468

- Lyons WB, Nezat CA, Welch KA, *et al.* (2000) Fossil fuel burning in Taylor Valley, southern Victoria Land, Antarctica: Estimating the role of scientific activities on carbon and nitrogen reservoirs and fluxes. *Environ Sci Technol* 34: (9) 1659-1662
- Roca JR, Mezquita F, Rueda J, *et al.* (2000) Endorheic versus karstic lakes: patterns of ostracod distributions and lake typology in a Mediterranean landscape (Castilla La Mancha, Spain). *Mar Freshwater Res* 51: (4) 311-319
- Goetze D (2000) Biodiversity of landscape sections: assessing and analyzing gamma-diversity by means of vegetation complexes. *Phytocoenologia* 30: (1) 1-129
- Burger J (2000) Landscapes, tourism, and conservation. *Sci Total Environ* 249: (1-3) 39-49
- Kirley M, Li XD, Green DG (1999) Investigation of a cellular genetic algorithm that mimics landscape ecology. *Lect Notes Artif Int* 1585: 90-97
- Meinig VH (2000) Habitat choice of the sibling species *Sorex araneus* and *S. coronatus* (Insectivora, Soricidae) in northwestern Germany. *Z Saugetierkd* 65: (2) 65-75
- Lomolino MV (2000) A call for a new paradigm of island biogeography. *Global Ecol Biogeogr* 9: (1) 1-6
- Schulz F, Wiegand G (2000) Development options of natural habitats in a post-mining landscape. *Land Degrad Dev* 11: (2) 99-110
- Tjallingii SP (2000) Ecology on the edge: Landscape and ecology between town and country. *Landscape Urban Plan* 48: (3-4) 103-119
- Savard JPL, Clergeau P, Mennechez G (2000) Biodiversity concepts and urban ecosystems. *Landscape Urban Plan* 48: (3-4) 131-142
- Misgav A (2000) Visual preference of the public for vegetation groups in Israel. *Landscape Urban Plan* 48: (3-4) 143-159
- van den Berg L, Wintjes A (2000) New 'rural lifestyle estates' in The Netherlands *Landscape Urban Plan* 48: (3-4) 169-176
- Schrijnen PM (2000) Infrastructure networks and red-green patterns in city regions *Landscape Urban Plan* 48: (3-4) 191-204
- Haire SL, Bock CE, Cade BS, *et al.* (2000) The role of landscape and habitat characteristics in limiting abundance of grassland nesting songbirds in an urban open space. *Landscape Urban Plan* 48: (1-2) 65-82
- Fjortoft I, Sageie J (2000) The natural environment as a playground for children - Landscape description and analyses of a natural playscape. *Landscape Urban Plan* 48: (1-2) 83-97
- Ericsson S, Ostlund L, Axelsson AL (2000) A forest of grazing and logging: Deforestation and reforestation history of a boreal landscape in central Sweden. *New Forest* 19: (3) 227-240
- Deal B, Farello C, Lancaster M, *et al.* (2000) A dynamic model of the spatial spread of an infectious disease: the case of fox rabies in Illinois. *Environ Model Assess* 5: (1) 47-62
- Thrupp LA (2000) Linking agricultural biodiversity and food security: the valuable role of agrobiodiversity for sustainable agriculture. *Int Aff* 76: (2) 265-+

- Decamps H (2000) Demanding more of landscape research (and researchers) *Landscape Urban Plan* 47: (3-4) 105-109
- Bruns D, Ipsen D, Bohnet I (2000) Landscape dynamics in Germany. *Landscape Urban Plan* 47: (3-4) 143-158
- Yokohari M, Takeuchi K, Watanabe T, *et al.* (2000) Beyond greenbelts and zoning: A new planning concept for the environment of Asian mega-cities. *Landscape Urban Plan* 47: (3-4) 159-171
- Johnson AKL, Ebert SP, Murray AE (2000) Land cover change and its environmental significance in the Herbert River catchment, north-east Queensland. *Aust Geogr* 31: (1) 75-86
- Kline JD, Alig RJ, Johnson RL (2000) Forest owner incentives to protect riparian habitat. *Ecol Econ* 33: (1) 29-43
- Dallimore A, Schroder-Adams CJ, Dallimore SR (2000) Holocene environmental history of thermokarst lakes on Richards Island, Northwest Territories, Canada: thecamoebians as paleolimnological indicators. *J Paleolimnol* 23: (3) 261-283
- Hanski I, Ovaskainen O (2000) The metapopulation capacity of a fragmented landscape. *Nature* 404: (6779) 755-758
- Lindenmayer DB (2000) Factors at multiple scales affecting distribution patterns and their implications for animal conservation - Leadbeater's Possum as a case study. *Biodivers Conserv* 9: (1) 15-35
- Stohlgren TJ, Owen AJ, Lee M (2000) Monitoring shifts in plant diversity in response to climate change: a method for landscapes. *Biodivers Conserv* 9: (1) 65-86
- Dimopoulos P, Bergmeier E, Sykora K, *et al.* (2000) Evaluation system of the relative importance of vegetation syntaxa for nature conservation in Greece. *Biologia* 55: (1) 57-67
- Kime RD (2000) Trends in the ecological strategies and evolution of millipedes (Diplopoda). *Biol J Linn Soc* 69: (3) 333-349
- Brooks DR, Hoberg EP (2000) Triage for the biosphere: The need and rationale for taxonomic inventories and phylogenetic studies of parasites. *Comp Parasitol* 67: (1) 1-25
- Debinski DM, Holt RD (2000) A survey and overview of habitat fragmentation experiments. *Conserv Biol* 14: (2) 342-355
- Soderstrom B, Part T (2000) Influence of landscape scale on farmland birds breeding in semi-natural pastures. *Conserv Biol* 14: (2) 522-533
- Canterbury GE, Martin TE, Petit DR, *et al.* (2000) Bird communities and habitat as ecological indicators of forest condition in regional monitoring. *Conserv Biol* 14: (2) 544-558
- Altieri MA (2000) The ecological impacts of transgenic crops on agroecosystem health. *Ecosyst Health* 6: (1) 13-23
- Zimmerer KS (2000) Rescaling irrigation in Latin America: The cultural images and political ecology of water resources. *Ecumene* 7: (2) 150-175

- Detenbeck NE, Batterman SL, Brady VJ, *et al.* (2000) A test of watershed classification systems for ecological risk assessment. *Environ Toxicol Chem* 19: (4) 1174-1181
- Kratz TK, Frost TM (2000) The ecological organisation of lake districts: general introduction. *Freshwater Biol* 43: (3) 297-299
- Lyons WB, Fountain A, Doran P, *et al.* (2000) Importance of landscape position and legacy: the evolution of the lakes in Taylor Valley, Antarctica. *Freshwater Biol* 43: (3) 355-367
- Lewis DB, Magnuson JJ (2000) Landscape spatial patterns in freshwater snail assemblages across Northern Highland catchments. *Freshwater Biol* 43: (3) 409-420
- Kling GW, Kipphut GW, Miller MM, *et al.* (2000) Integration of lakes and streams in a landscape perspective: the importance of material processing on spatial patterns and temporal coherence. *Freshwater Biol* 43: (3) 477-497
- Naden PS, Blyth EM, Broadhurst P, *et al.* (2000) Modelling the spatial variation in soil moisture at the landscape scale: an application to five areas of ecological interest in the UK. *Hydrol Process* 14: (4) 785-809
- Leach M, Fairhead J (2000) Challenging neo-Malthusian deforestation analyses in West Africa's dynamic forest landscapes. *Popul Dev Rev* 26: (1) 17-+
- Palmer C, Price O, Bach C (2000) Foraging ecology of the black flying fox (*Pteropus alecto*) in the seasonal tropics of the Northern Territory, Australia. *Wildlife Res* 27: (2) 169-178
- Landis DA, Wratten SD, Gurr GM (2000) Habitat management to conserve natural enemies of arthropod pests in agriculture. *Annu Rev Entomol* 45: 175-201
- Haas G, Wetterich F (2000) Optimizing agri-environmental program to reduce negative environmental impact in the Allgaeu region using life cycle assessment. *ber landwirtschaft* 78: (1) 92-105
- Ahrens H, Bernhardt F (2000) Effects of additional environmental constraints on agriculture, with special reference to Saxony/Germany. *Ber Landwirtschaft* 78: (1) 106-137
- Dieman R, Hundt R, Arndt O, *et al.* (2000) Nature conservation and landscape development in the agricultural region of the subhercynian black earth zone - Results of agricultural preplanning for the "Querfurter Platte". *Ber Landwirtschaft* 78: (1) 138-171
- Farina A (2000) The cultural landscape as a model for the integration of ecology and economics. *Bioscience* 50: (4) 313-320
- Valentini R, Dore S, Marchi G, *et al.* (2000) Carbon and water exchanges of two contrasting central Siberia landscape types: regenerating forest and bog. *Funct Ecol* 14: (1) 87-96
- Fu BJ, Chen LD (2000) Agricultural landscape spatial pattern analysis in the semi-arid hill area of the Loess Plateau, China. *J Arid Environ* 44: (3) 291-303
- Sanchez-Rojas G, Gallina S (2000) Mule deer (*Odocoileus hemionus*) density in a landscape element of the Chihuahuan Desert, Mexico. *J Arid Environ* 44: (3) 357-368

- Miller EL (2000) Environmental conscience before Ian McHarg (How Warren Manning and other pioneers forged an ecologically based vision of landscape architecture early in the century). *Landscape Archit* 89: (11) 58-+
- Chovanec A, Schiemer F, Cabela A, *et al.* (2000) Constructed inshore zones as river corridors through urban areas - The Danube in Vienna: Preliminary results. *Regul River* 16: (2) 175-187
- McAllister LS, Peniston BE, Leibowitz SG, *et al.* (2000) A synoptic assessment for prioritizing wetland restoration efforts to optimize flood attenuation. *Wetlands* 20: (1) 70-83
- Coppedge BR, Shaw JH (2000) American bison Bison bison wallowing behavior and wallow formation on tallgrass prairie. *Acta Theriol* 45: (1) 103-110
- Bogaert J, Rousseau R, Van Hecke P, *et al.* (2000) Alternative area-perimeter ratios for measurement of 2D shape compactness of habitats. *Appl Math Comput* 111: (1) 71-85
- Boulet M, Darveau M (2000) Depredation of artificial bird nests along roads, rivers, and lakes in a boreal Balsam Fir, *Abies balsamea*, forest. *Can Field Nat* 114: (1) 83-88
- Beyer L (2000) Properties, formation, and geo-ecological significance of organic soils in the coastal region of East Antarctica (Wilkes Land). *Catena* 39: (2) 79-93
- Beyer L, Bolter M (2000) Chemical and biological properties, formation, occurrence and classification of Spodic Cryosols in a terrestrial ecosystem of East Antarctica (Wilkes Land). *Catena* 39: (2) 95-119
- Lindenmayer DB, Lacy RC, Pope ML (2000) Testing a simulation model for population viability analysis. *Ecol Appl* 10: (2) 580-597
- Gilvear DJ (1999) Fluvial geomorphology and river engineering: future roles utilizing a fluvial hydrosystems framework. *Geomorphology* 31: (1-4) 229-245
- Cooper GR, Elias SA (2000) The environment of Upper Palaeolithic (Magdalenian and Azilian) hunters at Hauterive-Champrevyres, Neuchatel, Switzerland, interpreted from coleopteran remains. *J Quaternary Sci* 15: (2) 157-175
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- Bridge SRJ, Johnson EA (2000) Geomorphic principles of terrain organization and vegetation gradients. *J Veg Sci* 11: (1) 57-70
- Steadman TA (1999) The California landscape garden: Ecology, culture, and design *Landscape Archit* 89: (9) 115-115
- Pike RJ (2000) Geomorphometry - diversity in quantitative surface analysis. *Prog Phys Geog* 24: (1) 1-20
- Ehrenfeld JG (2000) Redefining the limits of restoration: The need for realistic goals. *Restor Ecol* 8: (1) 2-9
- Dieterich M, Anderson NH (2000) The invertebrate fauna of summer-dry streams in western Oregon. *Arch Hydrobiol* 147: (3) 273-295
- Browne S, Vickery J, Chamberlain D (2000) Densities and population estimates of breeding Skylarks *Alauda arvensis* in Britain in 1997. *Bird Study* 47: 52-65

- Rosso AL, McCune B, Rambo TR (2000) Ecology and conservation of a rare, old-growth-associated canopy lichen in a silvicultural landscape. *Bryologist* 103: (1) 117-127
- Radeloff VC, Miller TF, He HS, *et al.* (2000) Periodicity in spatial data and geostatistical models: autocorrelation between patches. *Ecography* 23: (1) 81-91
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Co-opted member	Mr Tom Clare Biological and Earth Sciences, Liverpool John Moores University bestclar@livjm.ac.uk

Diary

IALE Meetings

2000

6 - 10 September

IALE(UK) Annual Conference 'Quantitative Approaches to Landscape Ecology' at The University of Wales, Bangor.

contact Tom Clare, Biological and Earth Sciences, Liverpool John Moores University, Byrom Street, Liverpool L3 3AF
e-mail bestclar@livjm.ac.uk

2001

First week in
September

IALE(UK) Annual Conference 'Hedgerows of the World—their ecological functions in different landscapes'.

contact Colin Barr, Centre for Ecology and Hydrology, Merlewood Research Station, Grange-over-Sands, Cumbria LA11 6JU
tel +44 (0) 15395 32264 fax +44 (0)15395 34705
e-mail c.barr@ceh.ac.uk

2002

Landscape Ecology of Riparian Zones

Other Meetings of interest

2000

Aug 29 - 31

'Plants stand still, but their genes don't: Integrating ecological and evolutionary processes in a spatial context'

Royal Holloway College, Egham. A booking form is available from <http://www.demon.co.uk/bes/meeting.htm#plants>

Student grants available from BES - apply by June 30.

Sept 14 - 15

'Restoration of Wooded Landscapes'. Heriot-Watt University, Edinburgh. BES Forest Ecology Group.

For information e-mail: m.plews@forestry.gov.uk or tel. +44 (0) 131 445 2176

2001

Jan 2 - 5

RGS/IBG Conference - University of Plymouth. Biogeography Study Group Session.

Jan 3

Numerical Analysis of Past and Present Biogeographical Data.

Convenors: Martin Kent mkent@plymouth.ac.uk Dan Charman dcharman@plymouth.ac.uk

3 - 5 January

BES Winter Meeting, University of Birmingham.

Themes include: Landscape ecology, Habitat fragmentation, Remote sensing, and GIS.

The deadline for submission of abstracts is 7 August 2000.

2 - 5 April

BES Annual Symposium, *Dispersal*, The University of Reading.

